

## ABSTRACT OF THE DISCLOSURE

The operation of a generator is improved in the efficiency throughout a wider range of revolutions.

5 The generator of a magnetic type is provided where a direct current output of a converter which comprises semiconductor rectifying devices for rectifying the output of the generator is converted by an inverter to an alternating current form of a particular frequency. The conduction of thyristors is determined by a thyristor drive unit 9 to control  
10 the voltage output of the converter 3 to a target voltage level. The target voltage level is set to a positive value corresponding to the revolution of the generator. The target voltage level is lowered when the generator is operated at a lower range of the revolution and elevated when at a higher  
15 range of the revolution. Accordingly, the output of the magnetic generator is increased substantially in proportion to the revolution.